



# Application for a Water Right Permit

For Ecology Use  
(Date Stamp)



Follow the attached instructions. Attach additional sheets as necessary.

- ☐ GROUND WATER    ☐ SURFACE WATER  
☒ PERMANENT    ☐ SHORT TERM    ☐ TEMPORARY  
☐ DROUGHT

**\*A NON-REFUNDABLE MINIMUM FEE OF \$50.00 MUST ACCOMPANY THIS APPLICATION.**

## Section 1. APPLICANT

☒ I have participated in a pre-application conference with Ecology.

Applicant/Business Name: U. S. Department of Energy	Phone No:	Other No:
Address: 825 Jadwin Avenue		
City: Richland	State: WA	Zip: 99352
Email Address (if available):		

Contact Name (if different from above): Kevin D. Leary	Phone No: (509) 373-7285	Other No:
Relationship to Applicant: Hydrogeologist/Hydrologist		
Address: 825 Jadwin Avenue		
City: Richland	State: WA	Zip: 99352
Email Address (if available): kevin.leary@rl.doe.com		

Legal Land Owner or Part Owner Name of the Proposed Place of Use: U. S. Department of Energy	Phone No: (509) 376-7340	Other No:
Address: 825 Jadwin Avenue		
City: Richland	State: WA	Zip: 99352
Email Address (if available): boyd.hathaway@rl.doe.gov		

For Ecology Use	APPLICATION NO: 54-33102	SEPA: Exempt/Not Exempt
Fee Paid: 150 <sup>00</sup>	Check No: 1558369	ECY Coding: 001-001-WR1-0285-000011
Date Returned	By	Priority Date 11-6-2013 By 40 BENT
Pre-application interviewer:		



## Section 2. STATEMENT OF INTENT

Do you own the land on which the proposed point of diversion/withdrawal is located? ☐ YES ☒ NO  
If no, do you have legal authority to make this application for use of another's land? ☒ YES ☐ NO

Briefly describe the purpose of your proposed project: Provide domestic water supply for the existing Industrial Development Complex (IDC) potable water system (Washington State Department of Health Water System ID No. 92023 F), fire protection/suppression system, dust control, construction/deconstruction activities, and Columbia Generating Station facilities tied to the IDC water system. Provide a backup domestic water supply for the Columbia Generating Station potable water system (Washington State Department of Health Water System No. 92024 0). Provide industrial water supply for IDC reuse projects.

Anticipated length of time to complete your project: The existing IDC domestic water system utilizes two ground water wells, authorized via the Site Certification Agreement, and is the primary source of drinking water for Washington State Department of Health Water System No. 92023 F. We anticipate 2 years to complete the project to transition the domestic water system source from ground water to surface water to support domestic purposes and 8 years to complete the project for industrial reuse projects.

**Water Use** List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input checked="" type="checkbox"/> Cubic Feet per Second (CFS)	<input type="checkbox"/> Gallons per Minute (GPM)		
Domestic, fire protection, and backup domestic for Columbia Generating Station.	0.65		35	Continuously
Dust control, construction and deconstruction activities.	0.20		5	Seasonal
Industrial, IDC reuse projects.	0.65		40	Continuously
<b>TOTAL:</b>	1.5		80	

### **Short Term/Temporary Water Use**

Is this a request for a short term project (less than four months and non-recurring)? ☐ YES ☒ NO

Is this request for a temporary permit? ☐ YES ☒ NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: \_\_\_\_/\_\_\_\_/\_\_\_\_ TO: \_\_\_\_/\_\_\_\_/\_\_\_\_



### Section 3. POINT OF DIVERSION OR WITHDRAWAL

(Complete A or B, and C below)

#### A.) If Surface Water Source

☐ Spring ☐ Creek ☒ River ☐ Lake

☐ Other: \_\_\_\_\_

Source Name: Columbia River

Tributary to: N/A

Number of proposed diversion points: 1

Do you have an existing diversion? ☒ YES ☐ NO

#### B.) If Ground Water Source

☐ Well(s) ☐ Other: \_\_\_\_\_

Well diameter & depth: \_\_\_\_\_

Number of proposed points of withdrawal: \_\_\_\_\_

Do you have an existing well? ☐ YES ☐ NO

If available, attach Water Well Report and pump test.

Well Tag ID No. \_\_\_\_\_

#### C.) Point of Diversion/Withdrawal – Legal Description

Parcel No.	¼	¼	Section	Township	Range	County
	NW	NE	2	11N	28E	Benton
Lot(s)	Block(s)		Subdivision			
N/A	N/A		N/A			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

\_\_\_\_\_ Feet (☐ North/☐ South) and \_\_\_\_\_ feet (☐ East/☐ West)

from the (☐NW ☐SW ☐NE ☐SE ☐\_\_\_\_) corner of Section\_\_\_\_\_.

Parcel No.	¼	¼	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

\_\_\_\_\_ feet (☐ North/☐ South) and \_\_\_\_\_ feet (☐ East/☐ West)

from the (☐NW ☐SW ☐NE ☐SE ☐\_\_\_\_) corner of Section\_\_\_\_\_.

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

### Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

See the attached legal descriptions of the property from lease contracts AT(45-1)-2416 and AT(45-1)-2269. Also, see the attached map of the project showing the place of use.

¼	¼	Section	Twp.	Range	County	Parcel No.

Do you own all the lands on which the proposed place of use is located? ☒ YES ☐ NO.



If no, do you have legal authority to make this application for use of another's land? ☐ YES ☐ NO

Provide owner name(s), address, and phone number: N/A

Are there any other water rights or claims associated with this property or water system? ☒ YES ☐ NO

If yes, provide the water right and/or claim numbers: Energy Northwest is currently authorized to withdraw water from two groundwater wells at IDC via the Site Certification Agreement between the State of Washington and Energy Northwest. Energy Northwest also holds a surface water right (S3-20141P, S3-20141C) and ground water right (G3-20142P & G3-20142C) for the Columbia Generating Station (formerly Washington Public Power Supply System) located adjacent to the IDC.

**Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.**

## Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): A currently installed river intake structure will be used to withdraw water from the Columbia River. Water will gravity drain from the existing, in-stream water intake structure to a shoreline river pump house basin. One or more electric pumps will be used to pump river water from the river pump house to a water treatment facility at the IDC. The treated water will fill the existing 400,000 gallon water storage tank used for potable and fire protection water storage. A 40 horsepower electric pump located in well pump house No. 1 will be used to circulate storage tank water and pressurize the water distribution system. Two backup electric fire pumps (200 horsepower each) are also located in pump house No. 1. A 255 horsepower backup diesel powered pump is also available as needed. The proposed water treatment system would likely utilize the existing pumps, water storage tank, and water distribution system. Untreated river water will be used for industrial reuse projects.

## Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

(Complete A or B, and C below)

A.) Domestic Water Systems only	B.) Municipal Water Systems only (defined under RCW 90.03.015)
Projected number of connections to be served: <u>16</u>	Present population to be served water: _____
Type of connections: <u>Buildings</u> (e.g., home, recreational cabin)	Estimate future population to be served: _____ (20 year projection)
C.) Water System Planning	



Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? ☐ YES ☒ NO

If yes, date plan was approved \_\_\_\_/\_\_\_\_/\_\_\_\_ Water System Number: 92023 F

Name of water system: Industrial Development Complex

Are you within the service area of an existing water system? ☒ YES ☐ NO

If yes, explain why you are unable to connect to the system: U. S. Department of energy (DOE) is seeking a surface water right, on behalf of Energy Northwest, for the existing water system (Washington State Department of Health Water System ID No. 92023 F) and for expansion for future industrial reuse projects at the IDC. The agreement for Energy Northwest to use this water is covered in a recently amended lease agreement.

## Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

### Irrigation

Total number of acres requested to be irrigated under this application = N/A ACRES

NOTE: Outline the area to be irrigated on your attached map.

### Stockwater

List number and kind of stock: N/A

Is the proposed project for a dairy farm? ☐ YES ☒ NO

### Other Proposed Farm Uses

Describe all proposed uses: N/A

### Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? ☐ YES ☒ NO

Do you have a controlling interest in a Family Farm Development Permit? ☐ YES ☒ NO

If yes, enter Permit No: N/A

## Section 8. OTHER WATER USES



### **Hydropower**

Indicate total feet of head N/A and proposed capacity in kilowatts: N/A

Describe works: N/A

Indicate all uses to which power is to be applied: N/A

FERC License No: N/A

### **Mining/Industrial Use**

Describe use, method of supplying and utilizing water: N/A

### **Other Use**

None

## **Section 9. WATER STORAGE**

Will you be using a dam, dike, or other structure to retain or store water? ☒ YES ☐ NO

Are you proposing to store more than 10 acre-feet of water? ☐ YES ☒ NO

Will the water depth be 10 feet or more? ☒ YES ☐ NO

If you answered yes to any of the above questions, please describe: An existing 400,000 gallon water storage tank located adjacent to well pump house No. 1 is used for potable and fire protection water storage.

*NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.*

## **Section 10. DRIVING DIRECTIONS**

Provide detailed driving directions to the project site: From I-182 west or east toward the city of Richland, take exit 4 and proceed north on Highway 240 (By Pass Highway). Follow Highway 240 north around the western perimeter of Richland and continue north on Stevens Drive and onto Route 4 South. Turn right on South Power Plant Loop and proceed to Building 4.

Site Address: Industrial Development Complex, South Power Plant Loop, Building 4, Richland, WA 99354.



## Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

H. Boyd Hathaway  
 Print Name  
 (Applicant or authorized representative)

H. Boyd Hathaway  
 Signature

10-30-13  
 Date

H. Boyd Hathaway  
 Print Name  
 (Legal Owner or Part Owner Place of Use)

H. Boyd Hathaway  
 Signature  
 for USDOE

10-30-13  
 Date

\_\_\_\_\_  
 Print Name  
 (Legal Owner or Part Owner Place of Use)

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

Please check the region in which the project is located:

<b>*Submit your application to:</b>  DEPARTMENT OF ECOLOGY CASHIERING SECTION PO BOX 47611 OLYMPIA, WA 98504-7611	<input checked="" type="checkbox"/> Central Regional Office 15 W Yakima Avenue, Suite 200 Yakima, WA 98902 (509) 575-2490	<input type="checkbox"/> Eastern Regional Office 4601 N. Monroe Spokane, WA 99205-1295 (509) 329-3400
	<input type="checkbox"/> Northwest Regional Office 3190 - 160 <sup>th</sup> Avenue SE Bellevue, WA 98008-5452 (425) 649-7000	<input type="checkbox"/> Southwest Regional Office PO Box 47775 Olympia, WA 98504-7775 (360) 407-6300

If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872.  
 Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.

